

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in this application.

1. (Previously presented) An image display apparatus comprising:

an image display section in which a plurality of light emitting elements are arranged in a matrix at intersections of a plurality of scan lines and a plurality of data lines;

a control circuit which selects one of scanning modes as an operation mode in response to a mode switching signal, and outputs a data signal and a scan control signal based on an image signal to be displayed and said selected scanning mode, wherein a current of said data signal is based on said selected scanning mode, said scanning modes including a mode where at least two scanning electrodes are simultaneously driven;

a row driving section connected to said plurality of scan lines to sequentially drive said plurality of scan lines based on said scan control signal; and

a column driving section connected to said plurality of data lines to sequentially drive said plurality of data lines based on said data signal,

wherein an image corresponding to said image signal is displayed on said image display section, and

wherein said scan control signal controls a scan direction of said plurality of scan lines, a number of said plurality of scan lines that are selected, and a location of said plurality of scan lines that are selected.

2. (Previously presented) The image display apparatus according to claim 1, wherein said row driving section sequentially drives said plurality of scan lines one by a first one in a first one of said scanning modes based on said scan control signal.

3. (Previously presented) The image display apparatus according to claim 1, wherein said image display section is divided into an upper section and a lower section, and said row driving section sequentially drives said plurality of scan lines one by one in each of said upper and lower sections in a second one of said scanning modes based on said scan control signal.

4. (Previously presented) The image display apparatus according to claim 1, wherein said image display section is divided into an upper section and a lower section, and said row driving section sequentially drives said plurality of scan lines N by N (N is an integer more than 1) in each of said upper and lower sections in a third one of said scanning modes based on said scan control signal.

5. (Previously presented) The image display apparatus according to claim 1, wherein said row driving section sequentially drives said plurality of scan lines N by N (N is an integer more than 1) in a fourth one of said scanning modes based on said scan control signal.

6. (Original) The image display apparatus according to claim 2, wherein said control circuit outputs said data signal to said column driving section such that said image display section displays said image in a monochromatic color in said first mode.

7. (Original) The image display apparatus according to claim 3, wherein said control circuit outputs said scan control signal to said row driving section such that said scan electrodes of said upper section are scanned from an upper end to a lower end and such that said scan electrodes of said lower section are scanned from an upper end to a lower end.

8. (Original) The image display apparatus according to claim 3, wherein said control circuit outputs said scan control signal to said row driving section such that said scan electrodes of said upper section are scanned from an upper end to a lower end and such that said scan electrodes of said lower section are scanned from a lower end to an upper end.

9. (Original) The image display apparatus according to claim 3, wherein said control circuit outputs said scan control signal to said row driving section such that said scan electrodes of said upper section are scanned from a lower end to an upper end and such that said scan electrodes of said lower section are scanned from an upper end to a lower end.

10. (Original) The image display apparatus according to claim 3, wherein said control circuit outputs said scan control signal to said row driving section such that said scan electrodes of said upper section are scanned from a lower end to an upper end and such that said scan electrodes of said lower section are scanned from a lower end to an upper end.

11. (Original) The image display apparatus according to claim 4, wherein said control circuit outputs said scan control signal to said row driving section such that said scan electrodes of said upper section are scanned from an upper end to a lower end and such that said scan electrodes of said lower section are scanned from an upper end to a lower end.

12. (Original) The image display apparatus according to claim 4, wherein said control circuit outputs said scan control signal to said row driving section such that said scan electrodes of said upper section are scanned from an upper end to a lower end and such that said scan electrodes of said lower section are scanned from a lower end to an upper end.

13. (Original) The image display apparatus according to claim 4, wherein said control circuit outputs said scan control signal to said row driving section such that said scan electrodes of said upper section are scanned from a lower end to an upper end and such that said scan electrodes of said lower section are scanned from an upper end to a lower end.

14. (Original) The image display apparatus according to claim 4, wherein said control circuit outputs said scan control signal to said row driving section such that said scan electrodes of said upper section are scanned from a lower end to an upper end and such that said scan electrodes of said lower section are scanned from a lower end to an upper end.

15. (Previously presented) An image display apparatus comprising:
an image display section in which a plurality of light emitting elements are arranged in a matrix at intersections of a plurality of scan lines and a plurality of data lines;

a control circuit which selects one of scanning modes as an operation mode in response to a mode switching signal, and outputs a data signal and a scan control signal based on an image signal to be displayed and said selected scanning mode, said scanning modes including a mode where at least two scanning electrodes that were not simultaneously selected are simultaneously driven;

a row driving section connected to said plurality of scan lines to sequentially drive said plurality of scan lines based on said scan control signal;

a column driving section connected to said plurality of data lines to sequentially drive said plurality of data lines based on said data signal;

an external brightness sensor which detects brightness of a peripheral portion of said image display apparatus; and

a CPU which outputs said mode switching signal and said image signal to said control circuit based on designation by a user, and outputs said mode switching signal to said control circuit based on the detected brightness by said external brightness,

wherein an image corresponding to said image signal is displayed on said image display section, and

wherein said scan control signal controls a scan direction of said plurality of scan lines, a number of said plurality of scan lines that are selected, and a location of said plurality of scan lines that are selected.

16. (Original) The image display apparatus according to claim 1, further comprising:

a remaining charge detecting unit which detects a remaining charge quantity of a battery; and

a CPU which outputs said mode switching signal and said image signal to said control circuit based on designation by a user, and outputs said mode switching signal to said control circuit based on the detected remaining charge quantity by said remaining charge detecting unit.

17. (Original) The image display apparatus according to claim 1, further comprising:

a receiving unit which receives a call; and

a CPU which outputs said mode switching signal and said image signal to said control circuit based on designation by a user, and outputs said mode switching signal to said control circuit when said call is received by said receiving unit.

18. (Original) The image display apparatus according to claim 1, wherein said image display apparatus is an electroluminescence image display apparatus.